

Contents Volume 141

Reliability of lunar orbital periods extracted from ancient cyclic tidal rhythmites	
A.W. Archer	1
A ~ 24 000 year period climate signal in 1.7–2.0 million year old Death Valley strata	
J.C.C. Hsieh and B. Murray	11
The Bauer scarp ridge jump: a complex tectonic sequence revealed in satellite altimetry	
J.A. Goff and J.R. Cochran	21
Magnetic polarity stratigraphy and possible differential tectonic rotation of the Miocene–Pliocene mammal-bearing San Timoteo Badlands, southern California	
V. Norton Hehn, B.J. MacFadden, L.B. Albright and M.O. Woodburne	35
Uplift and subduction erosion in southwestern Mexico since the Oligocene: pluton geobarometry constraints	
D.J. Morán-Zenteno, P. Corona-Chavez and G. Tolson	51
Relative geomagnetic field intensity and reversals from Upper Miocene sections in Crete	
C. Laj, C. Kissel and I. Lefèvre	67
Lower and Middle Jurassic paleomagnetic results from the south Lesser Caucasus and the evolution of the Mesozoic Tethys ocean	
M.L. Bazhenov, V.S. Burtman and N.L. Levashova	79
Recent volcanism in the Siqueiros transform fault: picritic basalts and implications for MORB magma genesis	
M.R. Perfit, D.J. Fornari, W.I. Ridley, P.D. Kirk, J. Casey, K.A. Kastens, J.R. Reynolds, M. Edwards, D. Desonie, R. Shuster and S. Paradis	91
The generation of mid-ocean ridge basalts from the Hf and Nd isotope perspective	
V.J.M. Salters	109
Fluid evolution during tectonic exhumation of oceanic crust at a slow-spreading paleoridge axis: evidence from the Lizard ophiolite U.K.	
L. Hopkinson and S. Roberts	125
High resolution U–Pb dating of Middle Triassic volcanics: Time-scale calibration and verification of tuning parameters for carbonate sedimentation	
R. Mundil, P. Brack, M. Meier, H. Rieber and F. Oberli	137
U–Pb dating of calcite concretions from Cambrian black shales and the Phanerozoic time scale	
C. Israelson, A.N. Halliday and B. Buchardt	153
The Os isotopic composition of Proterozoic upper mantle: evidence for chondritic upper mantle from the Outokumpu ophiolite, Finland	
R.J. Walker, E. Hanski, J. Vuollo and J. Liipo	161
Multistage zircon and titanite growth and inheritance in an Archean gneiss complex, Winnipeg River Subprovince, Ontario	
F. Corfu	175
Inherited zircon and titanite U–Pb systems in an Archean syenite from southwestern Australia: implications for U–Pb stability of titanite	
R.T. Pidgeon, D. Bosch and O. Bruguier	187
Models for the coupled Sr–sulfate budget in deep-sea carbonates	
F.M. Richter	199
Global distribution of beryllium isotopes in deep ocean water as derived from Fe–Mn crusts	
F. von Blanckenburg, R.K. O’Nions, N.S. Belshaw, A. Gibb and J.R. Hein	213
Reconciliation of late Quaternary sea levels derived from coral terraces at Huon Peninsula with deep sea oxygen isotope records	
J. Chappell, A. Omura, T. Esat, M. McCulloch, J. Pandolfi, Y. Ota and B. Pillans	227
Stable isotope record of late Holocene salinity and river discharge in San Francisco Bay, California	
B.L. Ingram, J.C. Ingle and M.E. Conrad	237

Estimation of thermal gradient and diffusivity by means of long-term measurements of subbottom temperatures at western Sagami Bay, Japan M. Kinoshita, S. Goto and M. Yamano	249
Ages of detrital zircon from Archean–Paleoproterozoic sequences: Implications for Greenstone Belt setting and evolution of a Transamazonian foreland basin in Quadrilátero Ferrífero, southeast Brazil N. Machado, A. Schrank, C.M. Noce and G. Gauthier	259
Isotope characteristics of the Okenyenya igneous complex, northwestern Namibia: constraints on the composition of the early Tristan plume and the origin of the EM 1 mantle component S.C. Milner and A.P. le Roex	277
Magnesite-bearing inclusion assemblage in natural diamond A. Wang, J.D. Pasteris, H.O.A. Meyer and M.L. Dele-Duboi	293
Isotopic composition of nitrogen in 'phase-Q' S.V.S. Murty	307
Occlusion of noble gases (He, Ne, Ar, Kr, Xe) into synthetic magnetite at 500–1300°C T. Matsumoto, K. Maruo, A. Tsuchiyama and J.-I. Matsuda	315
<i>Erratum</i>	
Erratum to "High-Ti and low-Ti mafic potassic magmas: Key to plume–lithosphere interactions and continental flood-basalt genesis" [Earth Planet. Sci. Lett. 136 (1995) 149–165] S.A. Gibson, R.N. Thompson, A.P. Dickin and O.H. Leonardos	325
<i>Author Index Volume 141</i>	343

